

ABSTRACT

In a signal transmitter and a signal receiver according to the present invention, a multiplexing part (102) multiplexes a video signal and a time-base-compressed audio signal on the basis of a multiplexing control signal to transmit the multiplexed signal through a data line (106) in the signal transmitter, and a demultiplexing part (103) demultiplexes a video/audio multiplexed signal received through the data line (106) into the original video signal and audio signal by a demultiplexing control signal in the signal receiver. Further, a horizontal synchronizing signal or vertical synchronizing signal of the video signal is employed as the multiplexing control signal and the demultiplexing control signal, and the audio signal is time-base-compressed at the transmitting end, to multiplex the audio signal in a blank of the video signal, and the multiplexed audio signal is time-base decompressed at the receiving end.

According to the so-configured signal transmitter and signal receiver, it is possible to realize a signal transmission system compliant with the DVI standard, in which the audio signal as well as the video signal can be transmitted.